

Outlineoffungi.org - Note 720 *Rubinosporus*

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Rubinosporus Vadthanarat, Raspé & Lumyong

This is a monotypic, bolete genus thus far known only from the type locality in Thailand ([Vadthanarat et al. 2022](#)). It has been found on soil in evergreen forest dominated by Fagaceae mixed with Dipterocarpaceae (*Dipterocarpus obtusifolius*, *D. costatus*, *Shorea siamensis*, *Hopea* sp.), and it is presumably ectomycorrhizal with members of one or both of those plant families ([Vadthanarat et al. 2022](#)). Phylogenetic analyses based on *atp6*, *cox3*, *rpb2*, and *tef1* support the monophyly of *Rubinosporus* and its position in *Boletaceae* subfamily *Xerocomoideae* (*Boletales*, *Agaricomycetidae*, *Agaricomycetes*, *Agaricomycotina*, *Basidiomycota*) ([Vadthanarat et al. 2022](#)). The type species is *Rubinosporus auriporus* Vadthanarat, Raspé & Lumyong. *Rubinosporus* is distinguished from the other genera in *Boletaceae* primarily by its dark ruby spore deposit ([Vadthanarat et al. 2022](#)). Other characters of *Rubino boleto* are as follows: pileus surface even, with matted, cracked tomentum; stipe surface even, scattered with minute squamules; golden yellow tubular hymenophore which is relatively thin, especially when young; unchanging surfaces and context when touched or cut; smooth, broadly ellipsoid basidiospores (Vadthanarat et al. 2019). The asexual morph is unknown. Morphologically the most similar genera to *Rubinosporus* appear to be *Aureoboletus* and *Baorangia*, though the dark ruby spore deposit of *Rubinosporus* and clearly distinguishes it from those genera ([Vadthanarat et al. 2022](#)).

Reference

Vadthanarat S, Raspé O, Lumyong S. 2022 – *Rubinosporus auriporus* gen. et sp. nov. (*Boletaceae: Xerocomoideae*) from tropical forests of Thailand, producing unusual dark ruby spore deposits. *Journal of Fungi* 8(3), 278. <https://doi.org/10.3390/jof8030278>

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